

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved

OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER _____
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D. SYSTEM/ITEM J52-P-408A Engines	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO. A001	2. TITLE OF DATA ITEM Contractor's Configuration Management Plan	3. SUBTITLE Nsn-2840-01-238-2391 Noun: Air Rotor Seal Pre-Production / First Article Plan
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4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80858 / T	5. CONTRACT REFERENCE	6. REQUIRING OFFICE DSCR-JLTB
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7. DD 250 REQ SD	9. DIST STATEMENT REQUIRED A	10. FREQUENCY 1Time	12. DATE OF FIRST SUBMISSION 30DAC	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE	b. COPIES	
					Draft	Final
						Reg
						Repro

16. REMARKS <p>Nsn-2840-01-238-2391 , Part# 2184120 (77445).</p> <p>Block 4. Tailored:</p> <p>The Contract Awardee shall provide a plan for approval that ensures all drawing and specification requirements are complied with prior to First Article sample manufacture. The Plan shall include the "equipment and facilities" used to verify all drawing(s), specifications, and process requirements. As a minimum, the Plan shall address the following criteria:</p> <p>(a). A list of all drawing dimensions, surface texture, etc..., to be inspected and the equipment to be used for verification of each dimension, surface texture, etc... An actual drawing(s) shall be submitted with the Plan that correlates the dimensions on the drawing(s) to those identified on the list.</p> <p>(b). A plan to verify that all non-destructive inspections are met.</p> <p>(c). A plan to verify that all visual inspection requirements are met.</p> <p>(d). A plan to verify material properties which shall include material properties, metallurgical properties, and chemical compositions.</p> <p>(e). A plan to ensure that all manufacturing processes are performed by the Original Equipment Manufacturer(OEM), Pratt and Whitney, certified vendors.</p> <p>(f). A plan to ensure that the forging / casting source is OEM approved for the specific forging / casting requirement, as applicable.</p> <p>(g). The Plan shall identify all external sources for applicable material and process requirements.</p> <p>(h). The Plan shall identify GFE, GFM, and Tooling requirements if applicable.</p> <p>(i). The Plan shall identify all aspects of Quality Assurance such as policies, organization, planning, procedures control, responsibilities, and interfaces including calibration, inspection and testing related criteria.</p> <p>Block 7. The "Pre-Production / FAT Plan" shall be submitted to DSCR for evaluation and approval. Copy shall be submitted to the local DCM Office.</p> <p>Block 14. Distribution as follows: Copy of the contract and drawing(s) shall be provided with the Plan to;</p> <ol style="list-style-type: none"> 1. DCM - QAR , Vendor DCM Office 2. Defense Supply Center Richmond (DSCR) Attn: DSCR-JLP 8000 Jefferson Davis Highway Richmond, VA 23297-5877 	DCM - QAR	0	0	1
	Vendor DCM			
	DSCR-JLP PCO	0	1	1
	Richmond, VA			
15. TOTAL		0	1	2

G. PREPARED BY Joseph Kesyk	H. DATE 01-23-2003	I. APPROVED BY Joseph Kesyk	J. DATE 01-23-2003
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER _____
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D. SYSTEM/ITEM J52-P-408A Engines	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM Test / Inspection Report	3. SUBTITLE Nsn-2840-01-238-2391 Noun: Air Rotor Seal First Article Test / Inspection Report
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4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809B / T	5. CONTRACT REFERENCE	6. REQUIRING OFFICE DSCR-JLTB
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7. DD 250 REQ SD	9. DIST STATEMENT REQUIRED	10. FREQUENCY 1Time	12. DATE OF FIRST SUBMISSION 30DATC	14. DISTRIBUTION
8. APP CODE N/A	11. AS OF DATE See Block 16	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE	

16. REMARKS	b. COPIES
Nsn-2840-01-238-2391 , Part# 2184120 (77445).	DCM - QAR
	Vendor DCM

Block 4. Tailored:

The First Article Test / Inspection Report shall satisfy all the requirements in the approved Pre-Production / First Article Test Plan. All drawing requirements must be satisfied including dimensions, visual inspections, non-destructive inspections, manufacturing processes, as well as material requirements. The Test Report shall identify the sub-vendor(s) utilized to perform the manufacturing and inspection processes as well as proof that the sub-vendor(s) are OEM(Pratt and Whitney) certified to perform the processes. A copy of the process sheets used to manufacture the First Articles shall be included in the Test Report.

DID-Element 10.2.6.4.2 Test / inspection results. Shall include certification(s) of material and process(es), material shall be acquired and external process(es) to be performed by Pratt and Whitney approved sources and labs.

Block 7. The Report shall be submitted to DSCR for an evaluation and approval. Copy shall be submitted to the local DCM Office.

Block 11. Report is due no later than 200-days after contract award.

Block 14. Distribution as follows: A copy of the contract and drawing(s) shall be provided with the First Article Test Report to:

1. DCM - QAR , Vendor DCM Office
2. Defense Supply Center Richmond(DSCR)
Attn: DSCR-JLP
8000 Jefferson Davis Highway
Richmond, VA 23297-5877

15. TOTAL	0	1	2
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G. PREPARED BY Joseph Lesyk	H. DATE 01-23-2003	I. APPROVED BY Joseph Lesyk	J. DATE 01-23-2003
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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(1 Data Item)

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER _____
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D. SYSTEM/ITEM J52-P-408A Engines	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO. A003	2. TITLE OF DATA ITEM Reliability Test Reports	3. SUBTITLE Nsn-2840-01-238-2391 Noun: Air Rotor Seal Production Lot Test / Inspection Report
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4. AUTHORITY (Data Acquisition Document No.) DI-TMSS-81586 / T	5. CONTRACT REFERENCE	6. REQUIRING OFFICE DSCR-JLTB
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7. DD 250 REQ SD	9. DIST STATEMENT REQUIRED A	10. FREQUENCY ASGEN	12. DATE OF FIRST SUBMISSION 30DATC	14. DISTRIBUTION	
8. APP CODE N/A		11. AS OF DATE See Block 16	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE	b. COPIES

16. REMARKS <p>Nsn-2840-01-238-2391 , Part# 2184120 (77445).</p> <p>Block 4. Tailored:</p> <p>Use / Relationship The Vendor shall provide a Final Test Report on Production Lot Sample Testing (PLT) and/or Inspection results for 02-percent of the first production lot at 100-percent of drawing rqmt's and 03-percent of every production lot for applicable critical characteristic rqmt's. First Article Test(Qty-3) are excluded from the PLT Quantity.</p> <p>Requirements The Report shall address DID para-3 sub-headers a thru i as well as para-3.2 and para-3.3, delete Summary Report rqmt's para-3.1 and 3.1.1.</p> <p>The Report Analysis shall address the following as a minimum:</p> <p>(a). Verify all dimensional and surface texture rqmt's of dwg 2184120 & spec's.</p> <p>(b). Verify conformance of all critical characteristics, as applicable.</p> <p>(c). Verify critical 3B-Thread was gaged in accordance with MIL-S-8879 or MIL-S-7742 requirements, as applicable.</p> <p>(d). Verify conformance of Pratt & Whitney approved sources for special processes and material.</p> <p>(e). Verify test equipment utilized for each inspection / test and provide evidence of any applicable calibration record.</p> <p>Quantity shall be selected by the DCM QAR for Awardee testing.</p> <p>Quantity may be selected by the DCM QAR for Sub-Vendor lab testing. Lab testing shall be coordinated with Sherry Labs, Muncie Indiana. Point of contact is 765-747-0228, and Fax 765-747-9000. Same requirements apply.</p> <p>Destructive testing shall be approved by the DSCR PCO only.</p> <p>Block 7. The Report shall contain the results from the Awardee testing and/or the results from the Sub-Vendor Lab. Vendor is only authorized to ship contract quantity upon written authorization from the DSCR-PCO.</p> <p>Block 11. Report is due no later than 300-days after contract award.</p> <p>Block 14. Distribution as follows: Copy of the contract and drawing(s) shall be provided with the Reliability Test Report to:</p> <p>1. DCM - QAR Vendor Office 2. Defense Supply Center Richmond(DSCR) Attn: DSCR-JLP 8000 Jefferson Davis Highway Richmond, VA 23297-5877</p>	DCM - QAR	0	0	1
	Vendor DCM			
	DSCR-JLP PCO	0	1	0
	Richmond, VA			
15. TOTAL	0	1	1	

G. PREPARED BY Joseph Keszyk	H. DATE 01-23-2003	I. APPROVED BY Joseph Keszyk	J. DATE 01-23-2003
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

INSTRUCTIONS FOR COMPLETING DD FORM 1423
(See DoD 5010.12-M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

Item A. Self-explanatory.

Item B. Self-explanatory.

Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management," etc.

Item D. Enter name of system/item being acquired that data will support.

Item E. Self-explanatory (to be filled in after contract award).

Item F. Self-explanatory (to be filled in after contract award).

Item G. Signature of preparer of CDRL.

Item H. Date CDRL was prepared.

Item I. Signature of CDRL approval authority.

Item J. Date CDRL was approved.

Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.

Item 2. Enter title as it appears on data acquisition document cited in Item 4.

Item 3. Enter subtitle of data item for further definition of data item (optional entry).

Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSOL), or one-time DID number, that defines data content and format requirements.

Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).

Item 6. Enter technical office responsible for ensuring adequacy of the data item.

Item 7. Specify requirement for inspection/acceptance of the data item by the Government.

Item 8. Specify requirement for approval of a draft before preparation of the final data item.

Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).

Item 10. Specify number of times data items are to be delivered.

Item 11. Specify as-of date of data item, when applicable.

Item 12. Specify when first submittal is required.

Item 13. Specify when subsequent submittals are required, when applicable.

Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.

Item 15. Enter total number of draft/final copies to be delivered.

Item 16. Use for additional/clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14.; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administrative and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.

DATA ITEM DESCRIPTION

Title: Contractor's Configuration Management Plan

Number: DI-CMAN-80858B

Approval Date: 20000930

AMSC Number: D7392

Limitation: N/A

DTIC Applicable: No

GIDEP Applicable: No

Office of Primary Responsibility: D/DUSD(AT&L)SE

Applicable Forms: N/A

Use, Relationships: The Contractor's Configuration Management (CM) Plan describes the contractor's configuration management program, how it is organized, how it will be conducted, and the methods procedures and controls effective configuration identification, change control, status accounting, and audits of the total configuration, including hardware, software and firmware. The principle use is to provide the government a basis for review, evaluation and monitoring of the CM program and its proposed components.

This Data Item Description (DID) contains the content and preparation instructions for the data product resulting from the work task specified in the contract.

Data Item Description submittal in Extensible Markup Language (XML) is acceptable. An XML Document Type Definition (DTD), associated XML document template, and other information is available from <http://www.geia.org/836/>

This DID supersedes DI-CMAN-80858A.

Requirements:

1. Reference documents. The applicable issue of any documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.
2. Format and content. The Contractor's CM Plan shall be prepared in contractor format. The Contractor's CM Plan content shall be in accordance with the contractor's processes and procedures, or as specified in the contract. The following references may be useful in defining content: ANSI/EIA-649-1998, National Consensus Standard for Configuration Management (paragraphs 5.2.5 and 5.3.3); ISO 10007, Quality Management-Guidelines for Configuration Management; and MIL-HDBK-61, Configuration Management Guidance (Section 2 and Appendix A).

END OF DI-CMAN-80858B

DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

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1. TITLE

TEST/INSPECTION REPORT

2. IDENTIFICATION NUMBER

DI-NDTI-80809B

3. DESCRIPTION/PURPOSE

3.1 The test/inspection report is used to document test/inspection results, findings, and analyses that will enable the government or contracting agency to evaluate compliance with system requirements, performance objectives, specifications, and test/inspection plans.

4. APPROVAL DATE (YYMMDD)

970124

5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)

F/AFMC-DOP

6a. DTIC APPLICABLE

6b. GIDEP APPLICABLE

7. APPLICATION/INTERRELATIONSHIP

7.1 This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

7.2 This DID is applicable to engineering (developmental), preliminary qualification, qualification, and acceptance testing.

7.3 This DID supersedes DI-NDTI-80809A and DI-MISC-80653.

8. APPROVAL LIMITATION

9a. APPLICABLE FORMS

9b. AMSC NUMBER

F7231

10. PREPARATION INSTRUCTIONS

10.1 Format. Contractor format is acceptable. Organize the information required by paragraph 10.2 and its subparagraphs in a manner that facilitates presentation and understanding.

10.2 Content. The test/inspection report shall contain the following information, as applicable.

10.2.1 Cover and title page. The following information shall appear on the outside front cover and title page:

- Report date.
- Report number (contractor or government)
- Contractor's name, address, and commercial and government entity code.
- Contract number and contract line item number or sequence number (if applicable).
- Type of test/inspection (for example, first article acceptance test, quality conformance inspection, developmental test, qualification test, environmental test).
- Identification of item tested/inspected.
- Date or period of test/inspection.
- Name and address of requiring government activity.
- Security classification, downgrading and declassifying information, if applicable.

(Continued on page 2)

11. DISTRIBUTION STATEMENT

DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

Block 10, Preparation Instructions (continued)

10.2.2 Table of contents. The table of contents shall identify the following:

- a. The title and starting page of each major section, paragraph, and appendix of the report.
- b. The page, identifying number, and title of each illustration (for example; figure, table, photograph, chart, and drawing).

10.2.3 Introduction. The introduction shall include the following information:

10.2.3.1 Test/inspection objective(s). The specific test/inspection objective(s) as specified in the contract tasking document.

10.2.3.2 Item(s) tested/inspected. Complete identification of the item(s) tested/inspected including the following:

- a. Nomenclature.
- b. National stock number.
- c. Model number, part number, and serial number
- d. Type of item (for example, prototype, production item, laboratory model).
- e. Serial or lot number.
- f. Applicable engineering changes.
- g. Production item specification, if applicable.
- h. Date of manufacture.

10.2.3.3 Test/inspection requirements. Complete identification of the test/inspection requirements correlated to contractual requirements including the following:

- a. Required test/inspection parameters.
- b. Performance requirements, acceptance or compliance limits, and environmental criteria.

10.2.4 Summary. Complete test/inspection report summary including the following:

- a. A brief discussion of the significant test/inspection results, observations, conclusions, and recommendations covered in greater detail elsewhere in the report.
- b. Proposed corrective actions and schedules for failures or problems encountered.
- c. Identification of deviations, departures, or limitations encountered, referenced to the contract requirements.
- d. Tables, graphs, illustrations, or charts as appropriate to simplify the summary data.

10.2.5 Reference documents. Complete identification of all documents referenced in the test/inspection report including the following, as applicable:

- a. Prior test/inspection reports on the same item.
- b. Test/inspection plans and procedure documents.
- c. Prior certifications of compliance.
- d. Contractor's file designation where test/inspection records are maintained.
- e. Input parameters used.

The applicable issue of the documents cited therein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

DI-NDTI-80809B

10.2.6 Body of report. The body of the test/inspection report shall be as follows:

10.2.6.1 Test equipment identification. Complete identification of each item of test equipment used in the test/inspection including the following:

- a. Nomenclature.
- b. Model number.
- c. Serial number.
- d. Manufacturer.
- e. Calibration status.
- f. Accuracy data.
- g. Comments, if applicable.

10.2.6.2 Test/inspection facility installation and set-up. Complete description of the physical set-up used in conducting the test/inspection to include the following:

- a. Location or orientation of the item.
- b. Location, orientation, or settings of test equipment and instrumentation.
- c. Location, orientation, or settings of sensors and probes.
- d. Location or orientation of interconnections, cables, and hoop-ups.
- e. Electrical power, pneumatic, fluidic, and hydraulic requirements.

Drawings, illustrations, and photographs may be used for clarification.

10.2.6.3 Test/inspection procedures. Complete description of the procedures used in conducting the test/inspection to include the following:

- a. Item selection and inspection that verified suitability for test/inspection.
- b. Summarized sequence of testing/inspection steps, including a description of how the item was operated during the test/inspection, and any control conditions imposed.

10.2.6.4 Test/inspection results and analysis. A copy of all test/inspection results and analysis to include the following:

10.2.6.4.1 Recorded data. The actual recorded data (for example, log book entries, oscillographs, instrument readings, plotter graphs). If the recorded data is extensive, provide it in an appendix.

10.2.6.4.2 Test/inspection results. Identification of all test/inspection results to include the following:

- a. Matrices comparing results achieved against test/inspection objectives or requirements.
- b. A discussion of these matrices as to their significance, and how they compare to any prior test/inspections.
- c. Calculation examples.
- d. Discussion of anomalies, deviations, discrepancies, or failures, including their impact, causes, and proposed corrective actions. The discussion shall address discrepancies between design requirements and the tested/inspected configuration.

10.2.6.5 Conclusions. Test/inspection conclusions distinguished between objective and subjective to include the following:

- a. The effectiveness of the test/inspection procedures in measuring item performance.

DI-NDTI-80809B

- b. The success or failure of the item to meet required test/inspection objectives.
- c. The need for repeat, additional, or alternative tests/inspections.
- d. The need for item redesign or further development.
- e. The need for improved test/inspection procedures, techniques, or facilities.
- f. The adequacy and completeness of the test/inspection requirements.

10.2.6.6 Recommendations. Recommendations appropriate to the test/inspection results and conclusions including the following:

- a. Acceptability of the item tested/inspected (pass or fail).
- b. Additional testing/inspection required.
- c. Redesign required.
- d. Problem resolution.
- e. Test/inspection procedure or facility improvements.
- f. Disposition of items tested/inspected.
- g. Documentation changes required.
- h. Testing/inspection improvements.

10.2.7 Authentication. The following certifications shall be included, as applicable:

10.2.7.1 Authentication of test/inspection results. A statement that the test/inspection was performed in accordance with applicable test/inspection plans and procedures, and that the results are true and accurate. The authentication shall include the signature of the contractor personnel that performed the test(s)/inspection(s), a contractor representative authorized to make such certification, and any government witnesses.

10.2.7.2 Authentication of prior validation. A statement identifying those requirements not tested/inspected or measured that were previously validated. Include identification of the data and method employed for such validation (for example, prior test/inspection, analytical verification, equivalent item, and so on). The authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

10.2.7.3 Authentication of acceptability. A statement that the item tested/inspected either passed or failed item acceptability requirements. This authentication shall include the signature of a contractor representative authorized to make such authentication and any government witness.

10.2.8 Appendices. Appendices shall be used to append detailed test/inspection data, drawings, photographs, or other documentation too voluminous to include in the main body of the report. This includes referenced documentation not previously provided by the government, and test/inspection reports from any associated test/inspection activity that may have performed some of the testing/inspecting requirements.

DATA ITEM DESCRIPTION

Title: Reliability Test Reports

Number: DI-TMSS-81586
AMSC Number: G7401
DTIC Applicable: N/A

Approval Date: 5 October 2000
Limitation: N/A
GIDEP Applicable: No

Office of Primary Responsibility: G/Y243
Applicable Forms: N/A

Use/relationship:

These reports are formal records of the results of the contractor's reliability tests and will be used by the procuring activity to evaluate the degree to which the reliability requirements have been met. The reports shall be periodic test summary reports (see 3.1 below) or Final Test Reports (see 3.2 below) as reflected in the contract. These reports may be used to report the results of reliability tests or tests from which reliability evaluation is a by-product.

Requirements:

1. Reference documents: None
2. Format: Contractor format is authorized.
3. Content: The Reliability Test Reports shall contain the results of each test or other action taken to demonstrate the level of reliability achieved in the contract end item and its constituent elements required by the contract. The reports shall specifically contain the following:
 - a. Test article identification and full description of test specimens utilized, including any deviations from the configuration specified in the applicable test plan.
 - b. Date and location of test or evaluation.
 - c. Statement of test/evaluation objectives, including type, unit of measure, and quantitative goals/requirements to be demonstrated.
 - d. Statistical confidence calculations, if appropriate.
 - e. Discussion of methods and conditions of the demonstration, including test plan used, environmental levels, test profile, methods of evaluating the data obtained and comparison of the conditions with those anticipated in ultimate deployment and use of contract item.
 - f. Results obtained, including specific identification and discussion of objectives demonstrated satisfactorily and those not demonstrated satisfactorily.
 - g. Corrective action anticipated, if applicable.
 - h. Contractor's conclusion and recommendations based on evaluation of the test/demonstration results.
 - i. Requirements for and results of retest in cases where a reject decision were reached.
- 3.1 Summary reports. Periodic Test Summary Reports shall consist of summaries of the progress or status of various reliability tests underway during the reporting period. All periodic summaries shall include the following:

- a. Type and number of units on test and the type of test.
- b. Total elapsed unit hours of test time during the period covered in the report.
- c. Total number of equipment failures for each operational mode specified in the duty cycle.
- d. Description of each failure problem area, related failure analysis, and corrective action.
- e. Test conditions and analysis of any variation from specified conditions.
- f. Present accept/reject status.
- g. A chart showing a plot of the observed Mean Time Between Failures (MTBF) from start of test through the report period and the predicted value of MTBF for comparison.
- h. The status and/or disposition of each corrective action

3.1.1 It is intended that the text of these reports be limited to brief, concise statements of significant progress and present status.

3.2 Final report. The Final Reliability Test Report shall include the information required by 3.1, items a. through h., and the results of the completed reliability tests or other action performed or evaluated to demonstrate reliability. The Final Report can be divided into two parts: Part 1, covering Reliability Qualification Testing, and Part 2, covering Production Reliability Acceptance Tests. Test reports shall include a failure summary and analysis and a general reliability analysis.

3.3 It is intended that the text of these reports be limited to brief and concise statements.